CLAIMS

What is Claimed is:

1 1. A method for removing organolead compounds from aqueous organolead compositions, comprising: 2 3 providing an aqueous compositions including organolead compounds; ozonating said organolead compositions with ozone, wherein said organolead 4 5 compounds are oxidized producing insoluble lead oxide polymers; contacting said aqueous compositions including insoluble lead oxide 6 7 polymers through activated carbon to remove said insoluble lead oxide polymers; filtering said aqueous compositions including lead oxide polymers through at 8 9 least one filtering means to remove said insoluble lead oxide polymers; and recovering said aqueous compositions substantially free of organolead. 10 2. The method according to claim 1, wherein said organolead compounds comprises at 1 2 least one of tetra alkyl lead, tetraethyl lead, tetra methyl lead, ethyltrimethyl lead, 3 diethyldimethyl lead, and any ethyl or methyl lead compounds thereof. 1 3. The method according to claim 1, wherein said organolead compounds being 2 organohalogenated lead comprising at least one of alkyl lead chlorides including 3 ethyl lead trichloride, diethyl lead chloride, triethyl lead chloride, methyl lead trichloride, dimethyl lead chloride, trimethyl lead chloride, and mixture of 4 5 transalkylation products thereof.

- The method according to claim 1, wherein contacting said aqueous composition
 through activated carbon substantially removes other unwanted contaminants and/or impurities.
 The method according to claim 1, wherein said filtering means include filters range
- in porosity from about $1\mu m$ to about 0.5μ .
- 6. The method according to claim 1, wherein said ozone is produced by chemical or electrical generation.
- 7. The method according to claim 6, wherein said ozone is produced by an ozone generator.
- 1 8. The method according to claim 1, wherein said ozonating said aqueous organolead compositions with ozone for at least about 25 seconds.
- 9. The method according to claim 1, wherein said organolead compounds are reduced from up to about 99%.
- 1 10. The method according to claim 1, wherein said aqueous organolead composition
 2 was exposing to at least about 0.001 moles of ozone during said ozonating process.

11. A method for removing organolead compounds from non-aqueous compositions 1 including organolead fuel compositions, comprising: 2 providing fuel compositions including organolead compounds; 3 ozonating said organolead fuel compositions with ozone, wherein said 4 organolead compounds are oxidized producing insoluble lead oxide polymers; 5 contacting said organolead fuel compositions including insoluble lead oxide 6 polymers through activated carbon to remove said insoluble lead oxide polymers; 7 filtering said fuel compositions including lead oxide polymers through at least 8 one filtering means to remove said insoluble lead oxide polymers; and 9 recovering said fuel compositions substantially free of organolead. 10 12. The method according to claim 11, wherein said organolead compounds comprises 1 2 at least one of tetra alkyl lead, tetraethyl lead, tetra methyl lead, ethyltrimethyl lead, 3 diethyldimethyl lead, and any ethyl or methyl lead compounds thereof. 13. The method according to claim 11, wherein said organolead compounds being 1 2 organohalogenated lead comprising at least one of alkyl lead chlorides including ethyl lead trichloride, diethyl lead chloride, triethyl lead chloride, methyl lead 3 trichloride, dimethyl lead chloride, trimethyl lead chloride, and mixture of 4 transalkylation products thereof. 5

1	14. The method according to claim 11, wherein said contacting said fuel composition
2	through activated carbon substantially removes other unwanted contaminants and/or
3	impurities.
1	15. The method according to claim 11, wherein said filtering means include filters
2	ranging in porosity from about 1μm to about 0.5μ.
1	16. The method according to claim 11, wherein said ozone is produced by chemical or
2	electrical generation.
1	17. The method according to claim 16, wherein said ozone is produced by an ozone
2	generator.
1	18. The method according to claim 11, wherein said ozonating said organolead fuel
2	compositions with ozone for at least about 25 seconds.
1	19. The method according to claim 11, wherein said organolead compounds are reduced
2	from up to about 99%.
1	20. The method according to claim 11, wherein said organolead fuel composition was
2	exposed to at least about 0.001 moles of ozone during the ozonating process.